**LAB 9**

**PRACTICE FROM HOME TASK 1:**

**CODE:**

#include<iostream>

using namespace std;

class automobile

{

protected:

int current\_speed;

public:

void set\_current\_speed(int speed)

{

current\_speed = speed;

}

int get\_curent\_speed()

{

return current\_speed;

}

};

class car :public automobile

{

protected:

string color;

car(string c, int s)

{

color = c;

current\_speed = s;

}

void set\_color(string c)

{

color = c;

}

string get\_color()

{

return color;

}

};

class limousine :public car

{

public:

void set\_current\_speed(int s)

{

current\_speed = s;

}

void set\_color(string c)

{

color = c;

}

int get\_current\_speed()

{

return current\_speed;

}

string get\_color()

{

return color;

}

};